

CORRECTED VERSION

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
3 June 2004 (03.06.2004)

PCT

(10) International Publication Number  
**WO 2004/046293 A2**

(51) International Patent Classification<sup>7</sup>: C11D 3/42

(21) International Application Number:  
PCT/EP2003/012583

(22) International Filing Date:  
11 November 2003 (11.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
02405998.2 19 November 2002 (19.11.2002) EP

(71) Applicant (for all designated States except US): CIBA  
SPECIALTY CHEMICALS HOLDING INC. [CH/CH];  
Klybeckstrasse 141, CH-4057 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SCHEFFLER,  
Goetz [DE/DE]; Schlossweg 7B, 79639 Grenzach-Wyhlen  
(DE). ROHRINGER, Peter [CH/CH]; Sechsjucharten-  
strasse 1, CH-4124 Schönenbuch (CH). FLETCHER,  
Ian, John [CH/CH]; Bürgenstal 27, CH-4312 Madgen  
(CH).

(74) Common Representative: CIBA SPECIALTY CHEMI-  
CALS HOLDING INC.; Patentabteilung, Klybeckstrasse  
141, CH-4057 Basel (CH).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR,  
CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,  
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,  
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,  
MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU,  
SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,  
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (BW, GH,  
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,  
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,  
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— without international search report and to be republished  
upon receipt of that report

(48) Date of publication of this corrected version:  
26 August 2004

(15) Information about Correction:  
see PCT Gazette No. 35/2004 of 26 August 2004, Section II

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: AMPHOTERIC FLUORESCENT WHITENING AGENTS

(57) Abstract: The present invention provides novel bis-triazinylaminostilbene amphoteric fluorescent whitening agents, compris-  
ing both individual components and mixtures thereof, a process for their preparation, intermediates useful for their preparation and  
use of the fluorescent whitening agents for the fluorescents whitening of paper.